

WHAT IS CLAIMED IS:

1. A method for modeling a constraint relationship, comprising:
 - receiving data;
 - identifying a solution space corresponding to the data;
 - 5 setting rules for evaluating constraint relationships of the data and for navigating the solution space; and
 - generating cross-domain logical response engines corresponding to a navigation of the solution space.
- 10 2. A method according to claim 1, wherein the receiving data comprises receiving an electronic data file.
- 15 3. A method according to claim 1, wherein the data corresponds to at least one of a product offering and a service offering.
- 20 4. A method according to claim 3, wherein the data comprises a service description of a service and bill of particulars for the service if the at least one offering includes the service, and a product description of a product and a bill of materials for the product if the offering includes the product.
- 25 5. A method according to claim 1, wherein the identifying comprises forming a data organization according to at least one of complimentary product options and limiting product options.
- 30 6. A method according to claim 5, wherein the forming a data organization comprises adding data references.
7. A method according to claim 5, wherein the data organization is a tree structure.
8. A method according to claim 1, wherein the rules comprise logical operators.

9. A method according to claim 3, wherein the generating comprises generating a product configurator for enabling a user to select from among product options of a product if the offering includes the product, and for selecting from among service options of a service if the offering includes the service.

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10. A method according to claim 10, wherein the product options include package options and non-package options.

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11. A method according to claim 10 wherein a user selection of a package option excludes a non-package option.

12. A method according to claim 1, wherein the generating generates an order entry system operable according to the rules.

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13. A method according to claim 13, wherein the solution space further comprises a supply checking system for determining whether a product including selected options can be supplied.

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14. A method according to claim 1, wherein the modeling models a constraint relationship of configuration information applicable to a configuration manager and one or more inter-entity systems implemented as a virtual agent network.

15. A system for modeling a constraint relationship, comprising:

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means for receiving data;
means for identifying a solution space corresponding to the data;
means for setting rules for evaluating constraint relationships of the data and for navigating the solution space; and
means for generating cross-domain logical response engines corresponding to a navigation of the solution space.

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| Author | Year | Country | Sample Size | Study Design | Findings |
|-------------|------|---------|-------------|--------------|---|
| Wang et al. | 2003 | China | 1,000 | Case-control | Increased risk of lung cancer in heavy smokers. |
| Li et al. | 2005 | China | 2,000 | Cohort | Increased risk of lung cancer in heavy smokers. |
| Chen et al. | 2007 | China | 3,000 | Case-control | Increased risk of lung cancer in heavy smokers. |
| Wang et al. | 2009 | China | 4,000 | Cohort | Increased risk of lung cancer in heavy smokers. |
| Li et al. | 2011 | China | 5,000 | Case-control | Increased risk of lung cancer in heavy smokers. |
| Chen et al. | 2013 | China | 6,000 | Cohort | Increased risk of lung cancer in heavy smokers. |
| Wang et al. | 2015 | China | 7,000 | Case-control | Increased risk of lung cancer in heavy smokers. |
| Li et al. | 2017 | China | 8,000 | Cohort | Increased risk of lung cancer in heavy smokers. |
| Chen et al. | 2019 | China | 9,000 | Case-control | Increased risk of lung cancer in heavy smokers. |
| Wang et al. | 2021 | China | 10,000 | Cohort | Increased risk of lung cancer in heavy smokers. |